

*INTEGRATED DYNAMIC LOAD BALANCING  
BY AN INPUT/OUTPUT INTERFACE*

ABSTRACT

The present invention is directed to a system and method of providing an embedded input/output interface dynamic load balancing. A method for providing a load balancing function between a host and a target in a network environment by an input/output interface may include providing a logical identifier table by an input/output interface, the logical identifier table including at least one logical identifier, the logical identifier suitable for referencing at least one physical address identifier of a target. Communications are managed between the host and the target by the input/output interface. The communications occurring over at least one of a first route and a second route of at least two routes communicatively coupling the input/output interface to the target are managed so that the host transfers data by balancing data transferred utilizing the second route and the third route of the at least two routes.